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Publication Title:

LIQUID CRYSTAL DISPLAY DEVICE AND ELECTRONIC APPARATUS  
INCLUDING THE SAME

Abstract:

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**PROBLEM TO BE SOLVED:** To make it possible to change colors without allowing display images from turning to pale color or dark color and without being limited in coloration forming regions by providing a second liquid crystal display panel layer with a second liquid crystal cell; coloring layer and second polarizing layer. **SOLUTION:** The first liquid crystal display panel 10 includes the first liquid crystal cell 14 formed by sealing liquid crystals between the first polarizing layer 12 and a pair of first substrates 15 and 15 which are disposed on the back surface thereof and are provided with first electrodes and a reflection polarizer 20 constituting a reflection polarizing layer which is disposed on the back surface thereof and reflects the polarized light having a first plane of polarization and is transmissive to the polarized light having the second plane of polarization. The second liquid crystal display panel 30 includes the second liquid crystal cell 34 formed by sealing the liquid crystals between a pair of the second substrates 35 and 35 which are disposed on the back surface of the reflection polarizer 20 and are provided with the second electrodes, the coloring layer 38 which is disposed on the back surface thereof and colors and displays the display screen, the second polarizing layer 40 disposed on the back surface and a reflection layer 50 disposed on the back surface thereof. The respective liquid crystal display panels 10 and 30 are subjected to on and off control.

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